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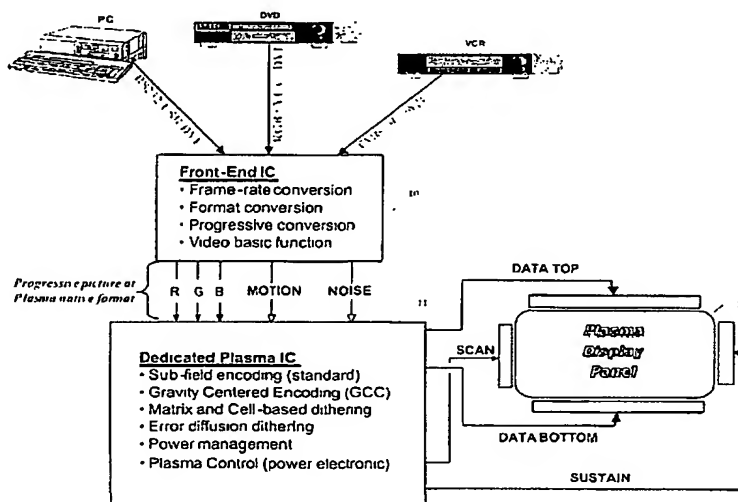
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROCESSING VIDEO PICTURES IMPROVING DYNAMIC FALSE CONTOUR
EFFECT COMPENSATION



(57) Abstract: The invention relates to a method for processing video pictures for display on a display device having a plurality of luminous elements corresponding to the pixels of a picture wherein the time of a video frame or field is divided into a plurality of N sub-fields (SF) during which the luminous elements can be activated for light emission in small pulses corresponding to a sub-field code word of n bits used for coding the p possible video levels lighting a pixel, comprising the steps of - determining if pictures are static pictures or moving pictures, - in case of static pictures, processing video pictures using a first sub-field encoding method adapted to pictures when no motion is detected, and in case of moving pictures, processing video pictures using a second encoding method reducing dynamic false contour effect adapted to pictures when motion is detected. The invention applies to plasma display panels.



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INTERNATIONAL SEARCH REPORT

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 973 147 A (MATSUSHITA ELECTRONICS CORP) 19 January 2000 (2000-01-19)	1
A	figure 41 paragraphs '0008!', '0016!', '0020!', '0021!	2-19
Y	EP 1 162 571 A (THOMSON BRANDT GMBH) 12 December 2001 (2001-12-12)	1
A	abstract; figures 15,16 -/-	2-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	YAMAGUCHI T ET AL: "DEGRADATION OF MOVING-IMAGE QUALITY IN PDPS: DYNAMIC FALSE CONTOURS" JOURNAL OF THE SOCIETY FOR INFORMATION DISPLAY, SOCIETY FOR INFORMATION DISPLAY, SAN JOSE, US, vol. 4, no. 4, December 1996 (1996-12), pages 263-270, XP000825468 ISSN: 1071-0922 page 263 -page 270 -----	1-19
A	EP 0 978 817 A (THOMSON BRANDT GMBH) 9 February 2000 (2000-02-09) page 5, line 18-40 -----	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

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